

Government of India
Bhabha Atomic Research Centre
Applied Physics Division

ENQUIRY

Ref: APD/CB/MF/17/MDK/333/OPA- 194945

Date: - 07/11/2017

Sub: Minor Fabrication - invitation of quotations for the job of “*Development, Supply, Inspection and Guarantee of “Aluminum Flange Connectors and Accessories” AS PER ATTACHED DRAWINGS* and specifications.

Due Date: - 18 November 2017

Dear Sirs,

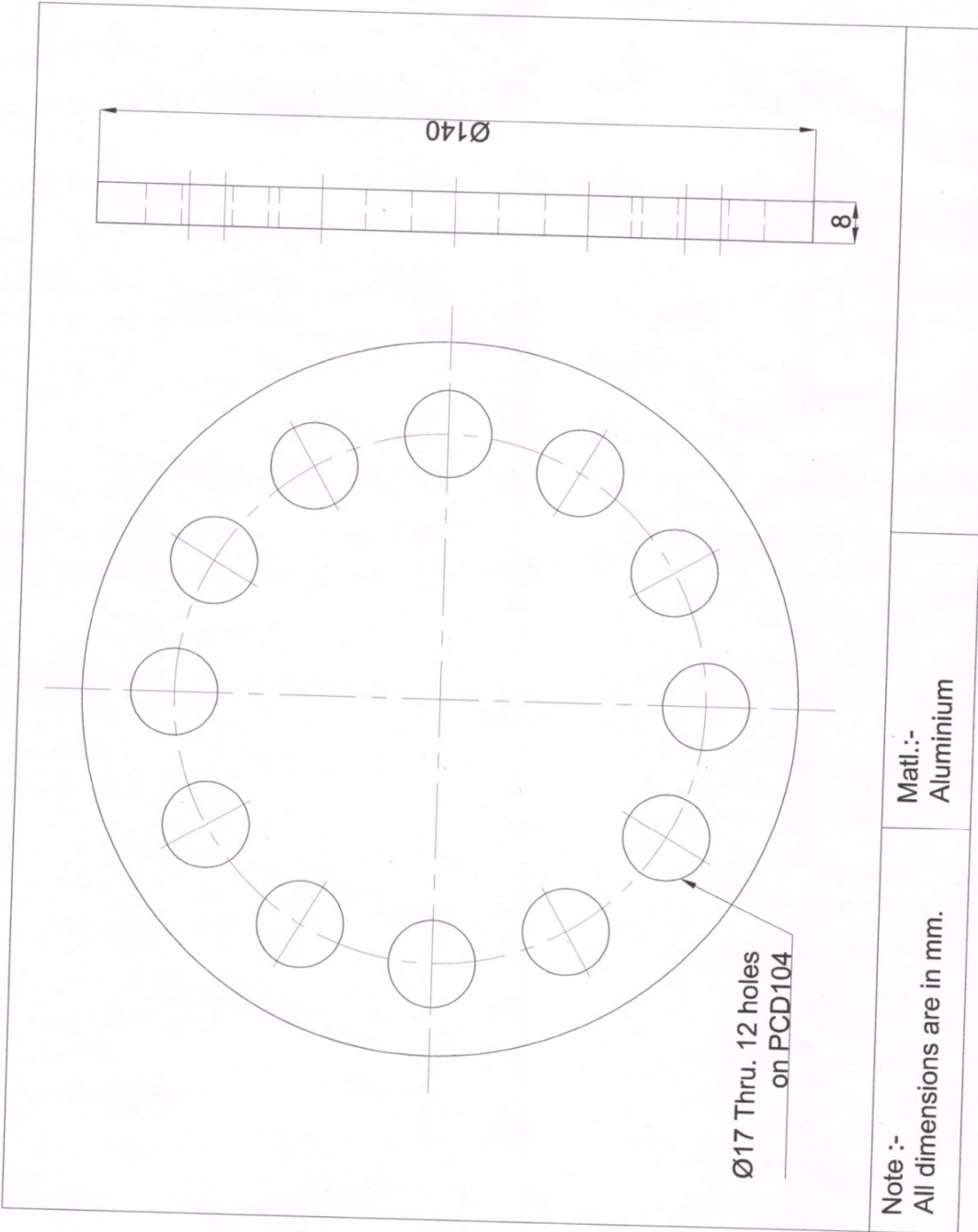
1. Quotations are invited for the minor fabrication job, as per the enclosed specifications and drawings.
2. Bidder shall quote for fabrication of these components with material.
3. Bidder shall take out an insurance policy in favor of BARC for any free issue material supplied.
4. Taxes shall be quoted separately. Form H shall be provided where necessary.
5. The quotations must reach, Head, Applied Physics Division on or before the due date referred above and must be sent in a sealed envelope super scribed with the above reference number and due date.
6. The address on the envelope should read:

The Head,
Applied Physics Division, PURNIMA LABS,
Bhabha Atomic Research Centre
Trombay, Mumbai - 400 085.
Attn:- **Mr. Mahesh D. Kale**

7. The fabrication work shall be subject to inspection by our representative. The finished components shall not be dispatched prior to approval by our representative at the bidder's works. Necessary inspection facilities should be provided to our engineers during fabrication at bidder's premises.
8. The bidder shall deliver the finished components after approval by our representative, within 3 months from the date of the firm purchase order issued to the bidder. The finished components shall be delivered by the bidder at Applied Physics Division, Purnima Laboratory, (Near Plutonium Plant), Bhabha Atomic Research Centre, Trombay, Mumbai-400 085.
9. Head, Applied Physics Division, BARC, reserves the right to accept/reject any or all quotations without assigning any reason.
10. Payment will be made only after satisfactory completion of work on production of bill, delivery challan and advance stamped receipt. It may be noted that IT @ 2% and surcharge on tax at 15% shall be deducted from your bills.
11. Job will be guaranteed against material and manufacturing defects for 1 year from the date of supply.

(Mr. Mahesh D. Kale)
For and on behalf of.
Head, Applied Physics Division

Part No.1
Aluminium Flange
Quantity Required: - 1NO.



PART NO. 2

CONNECTORS

Quantity Required: - 10NOS.

TECHNICAL SPECIFICATION OF “CONNECTORS”

Connector Type	Bulkhead, Male
Voltage Rating	600 V AC r.m.s
DC rating	85% of above AC rating
Current rating	10 A per contact (max 50 A per connector)
Insulation resistance	> 200 M ohm
Contact resistance	< 0.01 ohm
Wet matings	> 500
Temperature rating (water)	- 4 to 60°C, 25 to 140°F
Temperature rating (air)	- 40 to 60°C, - 40 to 140°F
Storage temperature rating	- 40 to 60°C, - 40 to 140°F
Depth rating	1,400 bar
Connector body	Chloroprene rubber
Bulkhead body	Stainless steel
Number of contacts	Ten (10 Nos.)
Contacts	Gold plated brass UNS - C36000
Location pin	Stainless steel AISI 303
O-rings	Nitrile
O-ring dimensions	Diameter 17.2 x 1.78
Locking sleeves	POM
Bulkhead leads	1 m length, 18 AWG 0.82 mm ² PTFE
Nominal cable outside diameter	10 conductor cable 0.605”, 15.4 mm
Maximum diameter of bulkhead connector	31mm
Threads on bulkhead body	5/8-18 UNF - 2A
Thread length on bulkhead body	19mm

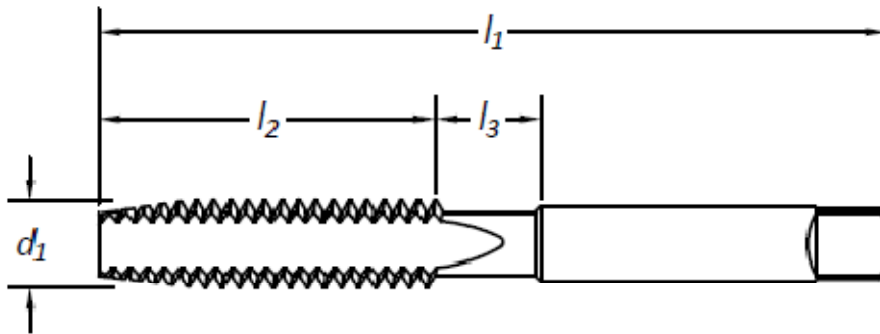
PART NO. 3

ACCESSORIES (TAP AND TAP WRENCH)

Quantity Required: - 2 Sets (1 Set consists of 3 Taps and 1 Tap Wrench).

Technical Specifications:-

UNF 5/8-18 General Purpose Straight Flute Tap and Tap Wrench



diameter	thrd	d_1	no.	H-	l_1	l_2			
& pitch	form	in	flts	limit	in	in			
		mm			mm	mm			
5/8-18	UNF	.6250	15.88	4	H3	3.813	96.84	1.813	46.04